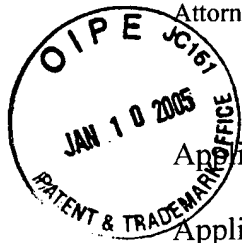


Application No. 10/803,549
Paper Dated: January 7, 2005
Attorney Docket No. 3819-040410

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Application No. : 10/803,549 Confirmation No. 5653
Applicants : Tuomas Sandholm et al.
Filed : March 18, 2004
Title : DYNAMIC EXCHANGE METHOD AND APPARATUS
Group Art Unit : 3628
Examiner : Not Yet Assigned
Customer No. : 28289

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Mail Stop Amendment
P.O. Box 1450
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Sir:

Pursuant to the requirements of 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants submit this Second Supplemental Information Disclosure Statement together with completed Form(s) PTO/SB/08A and a copy of each non-United States Patent or Patent Application Publication reference listed thereon.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 7, 2005.

Deborah L. Hartmann
(Name of Person Mailing Papers)

Deborah L. Hartmann 01/07/05
Signature Date

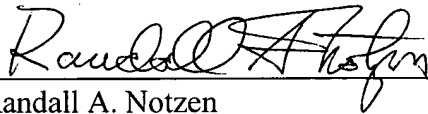
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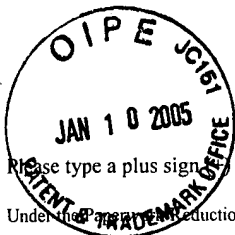
Pursuant to the Notice regarding Information Disclosure Statements appearing in 1276 OG 55, dated August 5, 2003, no copy of each United States Patent or Patent Application Publication listed on the Form(s) PTO/SB/08A is included herewith

No fee is believed to be due for the filing of this Second Supplemental Information Disclosure Statement as it is being submitted before a first Office Action on the Merits. Nevertheless, the Commissioner of Patents and Trademarks is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. One (1) original and two (2) copies of this Second Supplemental Information Disclosure Statement are enclosed.

Respectfully submitted,

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/803,549
				Filing Date	March 18, 2004
				First Named Inventor	Tuomas Sandholm et al.
				Group Art Unit	3628
				Examiner Name	Not Yet Assigned
Sheet	1	of	3	Attorney Docket Number	3819-040410

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ²			
	1	5,905,975		Ausubel	05-18-1999	
	2	6,021,398		Ausubel	02-01-2000	
	3	6,026,383		Ausubel	02-15-2000	
	4	US 2002/0046037	A1	Ausubel et al.	04-18-2002	
	5	US 2002/0052828	A1	Ausubel	05-02-2002	

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	6	DAVID C. PARKES; "iBundle: An Efficient Ascending Price Bundle Auction"; In Proc. ACM Conference On Electronic Commerce (EC-99), Denver, November 1999; 10 pages.		
	7	DAVID C. PARKES and LYLE H. UNGAR; "An Ascending-Price Generalized Vickrey Auction"; Stanford Institute For Theoretical Economics (SITE) 2002 Summer Workshop: The Economics Of The Internet, June 25 – June 29, 2002; pages 1-56.		
	8	DAVID C. PARKES and LYLE H. UNGAR; "Iterative Combinatorial Auctions: Theory And Practice"; In Proc. 7 th National Conference On Artificial Intelligence (AAAI-00), 8 pages.		
	9	DAVID C. PARKES and LYLE H. UNGAR; "Preventing Strategic Manipulation In Iterative Auctions: Proxy Agents And Price-Adjustment"; In Proc. 17 th National Conference on Artificial Intelligence (AAAI-00); 2000; 8 pages.		
	10	CHARLES R. PLOTT; "Laboratory Experimental Testbeds: Application To The PCS Auction"; Massachusetts Institute of Technology; Journal of Economics & Management Strategy, Volume 6, Number 3, Fall 1997, pages 605-638.		
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				Group Art Unit	3628
				Examiner Name	Not Yet Assigned
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	11	LAWRENCE M. AUSUBEL and PAUL R. MILGROM; "Ascending Auctions With Package Bidding"; Frontiers Of Theoretical Economics; Volume 1; Issue 1; Article 1; 2002; 44 pages.		
	12	ANDREW J. DAVENPORT and JAYANT R. KALAGNANAM; "Price Negotiations For Procurement Of Direct Inputs"; IBM Technical Report RC 22078; May 31, 2001; 21 pages.		
	13	CHRISTINE DEMARTINI, ANTHONY M. KWASNICA, JOHN O. LEDYARD and DAVID PORTER; "A New And Improved Design For Multi-Object Iterative Auctions"; March 15, 1999; 45 pages.		
	14	MARTA ESO, SOUMYADIP GHOSH, JAYANT R. KALAGNANAM and LASZLO LADANYI; "Bid Evaluation In Procurement Auctions With Piece-Wise Linear Supply Curves"; IBM Research Report RC22219 (WO110-087); October 31, 2001; 36 pages.		
	15	FRANK KELLY and RICHARD STEINBERG; "A Combinatorial Auction With Multiple Winners For Universal Service"; Management Science; Vol. 46, No. 4; April 2000, pp. 586-596.		
	16	JOHN O. LEDYARD, DAVID PORTER and ANTONIO RANGEL; "Experiments Testing MultiObject Allocation Mechanisms; Massachusetts Institute of Technology; Journal of Economics & Management Strategy; Volume 6, Number 3; Fall 1997; pp. 639-675.		
	17	TUOMAS SANDHOLM, SUBHASH SURI, ANDREW GILPIN and DAVID LEVINE; "Winner Determination In Combinatorial Auction Generalizations"; AAMAS'02, July 15-19, 2002; 8 pages.		
	18	LAWRENCE M. AUSUBEL; "An Efficient Ascending-Bid Auction For Multiple Objects"; University of Maryland, Department of Economics; August 7, 2002; 26 pages.		
	19	SUSHIL BIKHCHANDANI and JOSEPH M. OSTROY; "Ascending Price Vickrey Auctions"; University of California, Los Angeles; Anderson School Of Management and Dept. Of Economics; August 29, 2002; 34 pages.		

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	20	FRANK GUL and ENNIO STACCHETTI; "The English Auction With Differentiated Commodities"; July 22, 1999; 25 pages.	
	21	GABRIELLE DEMANGE, DAVID GALE and MARILDA SOTOMAYOR; "Multi-Item Auctions"; Journal of Political Economy; Vol. 94, No. 4; 1986; pages 863-872.	
	22	PETER R. WURMAN and MICHAEL P. WELLMAN; "AkBA: A Progressive, Anonymous-Price Combinatorial Auction"; EC' 00, October 17-20, 2000, 9 pages.	

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